DATA ITEM DESCRIPTION

TITLE: TEST PACKAGE

Number: DI-SESS-81525C   **Approval Date:** 20140715
AMSC Number: N9494   **Limitation:**
DTIC Applicable: No   **GIDEP Applicable:** No
Office Of Primary Responsibility: N/AS/PMA205
Applicable Forms: None
Use/relationship: The Test Package is used to examine and evaluate an individual's or unit's achievement of specific learning objectives or performance standards.

a.   This Data Item Description (DID) contains the preparation instructions for the content and format of the Test Package.

b.   This DID contains the format, content, and intended use information for the data product resulting from the performance requirements described by 3.2.9 of MIL-PRF-29612B, and is applicable to the acquisition of training data products. Data product performance evaluation criteria are specified in 4.3.9 of MIL-PRF-29612B.

c.   It is not intended that all the requirements contained herein should be applied to every program or program phase. Any individual data requirement contained in this DID is subject to deletion tailoring.

d.   This DID supersedes DI-SESS-81525B.

Requirements:

1.   Format. The contractor format is acceptable. Standard digital data, when specified must be in compliance with the content and format requirements specified in the DoD Data Architecture (DDA) and the Defense Data Dictionary System (DDDS). The deliverable of the product required by this DID meets the intent and requirements of DODINST 5000.2.

2.   Content. The Test Package shall contain the following:

2.1   Front matter. The content of front matter shall be in accordance with Appendix A of MIL-PRF-29612B.

2.2   Test items. This data shall consist of the following:

       a.   Individual test items.
       b.   Test item identifier.
       c.   A cross-reference list of test item identifiers and related Learning
                   Objective (LO) identifiers.
       d.   Answers to individual test items with the supporting reference identifier.
       e.   A description of test item criticality to:
            (1)   Safety.
            (2)   Overall measurement of trainee's ability to perform required tasks.

(3)   Environmental considerations.

f.   A description of test item constraints (e.g., personnel, safety, environmental).

g.   A description of test item support materials (e.g., publications, equipment, software, and hardware requirements).

h.   Test item type (e.g., performance, prediction of performance).

2.3   Test(s). This data shall consist of the following:

a.   Cover sheet.
b.   Instructions for taking the test.
c.   Safety considerations.
d.   Test items.
e.   Student response recording capability.
f.   A list of all materials required for test item administration and completion.
g.   Computer managed instruction interface capability.
h.   Storage and maintenance instructions and container/jacket.
i.   Random test generation capability.
j.   Test type (e.g., performance, prediction of performance).

2.4   Test administration materials. This data shall consist of the following:

2.4.1   Testing plan. This data shall document the test strategy for individual courses and shall consist of the following:

a.   Minimum passing grade for the course and rationale.

b.   Schedule of tests administered in the course and learning objectives measured by each test.

c.   A description of the types of tests (e.g., adaptive test, aptitude test, achievement test, comparative test, criterion-referenced test, performance test, performance based test, etc.) used to determine the trainee's grade, with rationale.

d.   A description of the grading method (e.g., normative, criterion referenced, grading criteria, weighting criteria, etc.) for evaluating student performance on the test, with rationale.

e.   A description of the method to be used to determine the trainee's final course grade.

f.   A description of the review, remediation, and retesting procedures.

g.   A description of the testing constraints which prevent testing of learning objectives as stated with work-around justification.

h.   A description of the method (e.g., rating scales, yes/no, SAT/UNSAT) used to assign grades to performance tests with supporting documentation for conversion to numerical grade.

i.   Rationale for courses which have SAT/UNSAT grading criteria.

j.   Rationale for test item and test placement within the structure of the course.

k.   A description of the methodology for generation of random tests.

l.   A description of the testing procedures and security considerations for web-based testing.

2.4.2   Test administration data. This data shall contain the materials necessary for the test administrator to conduct individual tests. It shall consist of:

    a.   Cover.
    b.   Instructions to the individual conducting the tests shall include pre-test duties to be completed in preparation for the test, pre-test instructions to the individuals taking the test, test monitoring guidance, and post-test instructions.
    c.   Test answer sheet to include data identifying location of response in supporting documentation.
    d.   Answer key(s)/scoring templates.
    e.   A description of test item criticality to:
        (1)   Safety.
        (2)   Overall measurement of trainee's ability to perform required tasks.
        (3)   Environmental considerations.
    f.   A description of test item constraints (e.g., personnel, safety).
    g.   A description of test item support materials (e.g., publications, equipment).
    h.   Flow charts for computer-based tests which depict the placement of test and test items within the course and branching for remediation.
    i.   Computer-based grade computation strategy.
    j.   Test item selection criteria for computer generated test(s).
    k.   Program documentation for computer generated test(s).
    l.   Test supplements that contain information concerning special items required by the examinee during the test that will not be provided by the test administrator.
    m.   Computer software for generation of multiple tests, by random selection of test items.
    n.   Computer software for administration of tests (run-time version).
    o.   A description of testing procedures and security considerations for web-based testing.

2.4.3   Test notices. This data shall contain information concerning test administration dates and the identity of study materials.

2.4.4   Test interoperability. This data shall contain information concerning the capability and structure of test and test items that support Sharable Content Objects (SCO), Course Structure Format (CSF), and Learning Management System (LMS).

2.5   Test item cross-reference chart. This data shall include a cross-reference chart showing the relationships among test item, lesson topic, learning objective, training task, and job task.

3.   Standard digital data. Standard digital data shall be delivered for the Standard Data Elements (SDEs).

4.   End of DI-SESS-81525C.